

Agenda For Operable Unit 6 (OU6) Meeting Concerning Rejected Radiation Results And Background Comparison Of The OU6 Pond And Stream Sediments.

1. Will rejected "R" qualified data be used in any sections of the OU6 Phase I Report?
2. If "R" qualified rad data is used what sections of the report will contain "R" qualified data. Will the data be used in the site assessment or risk assessment?
3. Assessment by IHSS of amount of "R" qualified data and the impact if the data is not used. Refer to the spreadsheet that breakdowns by IHSS the number of rad samples collected and extent of rejected rad data in each IHSS.
4. Specific problems with the rad data have been identified.
 - A. Validated rad results reported as 0.
 - B. Multiple results of rad data for same sample location, number and radionuclide.
 - C. Non-validated rad results.
 - D. Equipment rinsate rejected rad results.
 - E. Surface water rad data.
 1. How do we differentiate dissolved from total.
 2. Non-validated records.
 3. Baseflow and Storm Event samples with no results reported.
 - F. Stream sediments.
 - A. 190 total records, 156 have not been validated.
5. Background comparison of stream/seep data from 1993 Background Geochemical Characterization Report to OU6 pond and stream sediments.

The following events have evolved over the last six months regarding the usability of rejected radiation sample results. Woodward-Clyde (W-C) identified large amounts of OU6 rad samples that were validated with the rejected "R" qualifier. Ed Mast (EG&G) was informed, he then asked W-C to write their position regarding the use of "R" qualified radiation data. W-C responded in a letter dated January 11, 1994 that was sent to Ed Mast. W-C's position at that time was they would use the data that was deemed usable by an EG&G radiochemist or health physicist. W-C further requested guidance from EG&G regarding this matter.

Karen Schoendaller (EG&G radiochemist) wrote a memorandum, dated March 14, 1994, to Ed Mast regarding the "R" qualified rad data. She stated in the memo that the usability of all radiochemical data is the responsibility of the project manager and other users.

W-C is willing to use "R" qualified rad data, but needs more guidance from EG&G. If it is decided to assess the usability of the rad data, the validation and laboratory reports will be needed.

OU6 TOTAL RADIATION SAMPLE SUMMARY

IHSS Number	Sample Type	Total # of Samples Collected	Rejected Americium 241	Rejected Plutonium 239/240	Rejected Uranium isotopes	Rejected Cesium 137	Rejected Strontium 89/90	Rejected Tritium	Rejected Gross Alpha	Rejected Gross Beta
141	Surficial Soil	44	20	8	9				0	0
142.1	Sediment	8	0	1	0	0	4	1	0	0
	Pond Surface Water	5								
142.12	Sediment	6	0	0	0	0	6	0	0	0
	Pond Surface Water	5								
142.2	Sediment	7	1	0	0	0	4	0	0	0
	Pond Surface Water	6								
142.3	Sediment	7	0	0	0	0	0	0	0	0
	Pond Surface Water	5								
142.4	Sediment	9	0	0	0	0	0	0	0	0
	Pond Surface Water	6								
142.5	Sediment	11	0	1	0	0	6	6	0	0

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	Pond Surface Water	5								
142.6	Sediment	7	0	0	0	0	4	0	0	0
	Pond Surface Water	6								
142.7	Sediment	9	0	1	1	0	2	0	0	0
	Pond Surface Water	5								
142.8	Sediment	11	0	1	0	0	5	0	0	0
	Pond Surface Water	5								
142.9	Sediment	8	0	0	0	0	0	0	0	0
	Pond Surface Water	5								
+ 143	Borehole	9	7	2	0			0	0	0
	Surficial Soil	5	0	0	2			0	0	0
156.2	Borehole	82	4	13	1			0	0	0

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+	143 Borehole	9	7	2
	Surficial	5	0	0
	Soil			
	156.2 Borehole	82	4	13

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165	Surficial Soil	24	1	0	1*238				0	0
	Borehole	15	4	3	0				0	0
	Surficial Soil	17	1	0	0				0	0
166.1	Borehole	17	0	8	0	0	0	0	0	0
	Borehole	16	7	0	0	0	0	0	0	0
	Borehole	27	2	3	0	0	0	0	8	6
167.1	Borehole	48	1	1	0				0	0
	Surficial Soil	26	0	1	0				0	0
	Borehole	28	1	1	0				0	0
167.2	Surficial Soil	15	5	5	6				1	0
	Borehole	18	0	0	0				0	0
	Surficial Soil	9	0	5	0				0	0

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216.1

Borehole 13 2 0 1 2 0

Surficial 7 0 4 0 2 0

Soil